

Hatchery Program	Proj #	Project Title	Goal	Annual Juvenile Fish Production (except where noted)	Fish Acclimated (if project involves acclimation only)	Comments	FY2003 Actuals	FY 2004 Actuals	FY2005 BPA SOY	TOTAL
				2004 Actual						
BPA-FUNDED HATCHERY PROGRAMS										
NORTHWEST POWER ACT										
RESIDENT FISH HATCHERIES										
Colville Hatchery	198503800	Colville Hatchery	50,000 pounds planted	53,020 lbs. Rainbow; 6,574 lbs. Brook; 2,741 lbs. Cutthroat = 62,335 lbs. total			\$1,242,028	\$930,999	\$870,580	\$3,043,607
Ford Hatchery	200102900	Ford Hatchery Improvement O&M	700,000 kokanee	640,180 kokanee		Kokanee did not meet goal due to reduced supply available to rear. Rainbow have not been reported to date.	\$240,827	\$153,089	\$80,375	\$474,291
Sherman Creek Hatchery	199104700	Sherman Creek Hatchery - O&M	300,000 kokanee (raceway)	217,465 kokanee (raceway)						
			500,000 kokanee (net pen)	490,451 kokanee (net pen)						
			60,000 wild/rainbow	wild rainbow - not available			\$350,549	\$204,993	\$223,493	\$779,035
	199104600	Spokane Tribal (Galbr Sprgs) H					\$631,080	\$599,094	\$536,000	\$1,766,174
Spokane Tribal Hatchery	199104600	Spokane Tribal (Galbr Sprgs) H	500,000 rainbow trout 1,300,000 kokanee	550,000 rainbow trout 1,600,000 kokanee			\$0	\$56,039	\$0	\$56,039
Kootenai River White Sturgeon Hatchery	198806400	Kootenai R White Sturgeon	Produce up to 1,500 white sturgeon juveniles per family for release at ~30 g.	2003: Approximately 14,000 juveniles representing 13 families.	Conservation aquaculture program for endangered Kootenai River white sturgeon.		\$1,228,444	\$1,390,069	\$1,395,000	\$4,013,513
Kalispel Bass Hatchery	199500100	Kalispel Tribe Resident Fish P	150,000 largemouth bass	Not available			\$561,857	\$468,301	\$429,600	\$1,459,758
Creston	199500900	Lake Roosevelt Rainbow Trout N	500,000 net-pen reared rainbow trout	525,896 rainbow released from net pens	Spokane Tribal Hatchery is source of fish for net pen rearing.		\$111,554	\$114,300	\$114,889	\$340,743
	199101904	Hungry Horse Mitigation - Koka	100,000 rainbow trout	94,889 rainbow trout	A BPA-funded program at Creston NFH		\$128,068	\$109,387	\$113,168	\$350,623
	199004402	Coeur D'Alene Trout Production	100,000 cutthroat trout	96,730 cutthroat trout			\$188,298	\$1,735	\$0	\$190,033
	199004402	Coeur D'Alene Trout Production	N/A	N/A	BPA funded Master Plan; Council did not approve construction. Project terminated.		\$2,301	-\$2,301	\$0	\$0
Total							\$4,685,006	\$4,025,705	\$3,763,105	\$12,473,816

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ANADROMOUS FISH HATCHERIES											
Yakima/Klickitat Fisheries Project	198811500	Cle Elum Mon/Eval Bldg					YKFP produces spring chinook at Cle Elum that are acclimated in the upper Yakima basin. Coho and fall chinook are reared (in-basin brood) and acclimated (in-basin and out-of-basin smolts) at Prosser and Marion Drain hatcheries. Sources of out-of-basin coho: Willard NFH and Eagle Creek NFH. Source of out-of-basin fall chinook: Little White Salmon NFH.	\$922	\$0	\$0	\$922
Cle Elum Hatchery	198811500	Cle Elum Mon/Eval Bldg						\$86,475	\$13,050	\$0	\$73,425
Prosser/Marion Drain	199701325	Yakima/Klickitat Fisheries Pro						\$2,532,197	\$2,709,549	\$2,597,942	\$7,839,688
	198811525	YKFP - Design & Construction						\$0	\$0	\$225,000	\$225,000
	198811525	YKFP - Design & Construction						\$265,361	\$39,049	\$500,000	\$804,410
	198812025	YKFP Management, Data, Habitat						\$838,216	\$924,282	\$1,124,731	\$2,887,229
	199506425	YKFP Policy/Plan/Technical	810,000 spring chinook	836,900 spring chinook	893,000 coho	2,500,000 fall chinook		\$175,865	\$157,022	\$186,700	\$519,587
	198805301	Ne Or Hatchery Master Plan - N	Existing facilities will be modified or new facilities constructed to fully meet current program goals for spring chinook stocks: 490,000 Imnaha R 250,000 Lostine R 250,000 Catherine Cr 250,000 Up Gr Ronde 2,000,000 summer/fall chinook Potential second phase: 600,000 spring chinook				In planning stage. Plans include new hatchery facility and adult collection facility for Lostine River stock, modifications to Lookingglass Hatchery, and expansion of Imnaha satellite facility.	\$5,513	\$0	\$0	\$5,513
	198805301	Ne Or Hatchery Master Plan - N						\$1,285,923	\$800,407	\$7,267,271	\$9,353,601
Northeast Oregon Hatchery Project (NEOH)	198805305	Ne Ore Outplntg Facilities Mst						\$47,215	\$13,432	\$69,000	\$129,647
Chief Joseph Dam Hatchery	200302300	Chief Joseph Dam Hatchery					Planning stage only; not in production.	\$26,533	\$314,598	\$575,000	\$916,131
	200200100	CCT Ellisford Acclimation						\$41,143	\$0	\$0	\$41,143
	198335000	Nez Perce Tribal Hatchery O&M	500,000 fall chinook	169,596 fall chinook			Fall chinook short of goal due to broodstock shortage.	\$2,401,425	\$1,630,684	\$1,974,000	\$6,006,109
Nez Perce Tribal Hatchery	198335000	Nez Perce Tribal Hatchery O&M	405,000 spring chinook	531,133 spring chinook				\$602,699	\$402,502	\$0	\$1,005,201

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Hood R Production Program	198805308	Hood R Powerdale/Oak Springs						\$376,996	\$236,880	\$0	\$613,876
Parkdale Hatchery	198805306	Hood R Prod O&M - PGE	50,000 winter steelhead 40,000 summer steelhead 125,000 spring chinook				In addition to production at the BPA - constructed Parkdale Hatchery, BPA funds project-related incubation and rearing at Oak Springs (ODFW) and Round Butte/Pelton Ladder (PGE) hatchery facilities	\$216,743	\$174,178	\$161,305	\$552,226
	198805307	Spring Chinook, Winter and Summer SteelheadHood R Prod O&M - WS/ODFW		44,518 winter steelhead 38,310 summer steelhead 128,006 spring chinook				\$443,469	\$140,560	\$589,000	\$1,173,029
	198343500	Umatilla Hatchery O&M - CTUIR						\$944,719	\$918,892	\$1,018,147	\$2,881,758
Umatilla Hatchery			480,000 fall chinook (1+) 600,000 fall chinook (0+) 810,000 spring chinook 1,500,000 coho 150,000 summer steelhead	477,065 fall chinook (1+) 608,202 fall chinook (0+) 867,993 spring chinook 1,552,595 coho 130,568 summer stlhead			Steelhead short of goal due to abnormally high brood mortality in 2003.	\$815,317	\$816,165	\$875,000	\$2,506,482
	198903500	Umatilla Hatchery O&M - ODFW									
Walla Walla River Hatchery				Planning stage only; not in production.							
	200003800	Walla Walla River Hatchery	500,000 spring chinook				\$54,528.08.	-\$18,438	\$27,039	\$0	\$8,601
Total								\$11,088,293	\$9,292,189	\$17,163,096	\$37,543,578

ANADROMOUS FISH PRODUCTION PROJECTS - Acclimation, captive propagation, net pen rearing, etc.

					<u>Pittsburg Landing:</u> 153,251 fall chinook (1+) 500,739 fall chinook (0+)	Two acclimation sites, Pittsburg Landing and Big Canyon, are funded through this project.				
	199801005	Pittsburg Landing Fall Chinook	N/A	N/A	<u>Big Canyon:</u> 109,758 fall chinook (1+) 473,556 fall chinook (0+)	Lyons Ferry Hatchery is source of fish.	\$849,511	\$644,226	\$729,635	\$2,223,372
	199801007	Capt J Rapids Chin Acclimation	N/A	N/A	151,433 fall chinook (1+) 363,125 fall chinook (0+)	Fish produced at Lyons Ferry and Oxbow hatcheries.	\$0	\$1,391	\$0	\$1,391
	199604000	Coho Restoration Mid-Columbia					\$11,755	\$4,183,149	\$2,288,859	\$6,483,763
						Experimental feasibility study. Fish for acclimation are produced at multiple facilities: Winthrop NFH, Willard NFH, Entiat NFH, and Leavenworth NFH				
	199604000	Coho Restoration Mid-Columbia	N/A	N/A	412,044 coho (Methow R) 1,050,000 coho (Wenatchee Basin)		\$2,131,867	-\$2,319,036	\$0	-\$187,169
	199800704	Grande Ronde Sp Chinook-ODF&W					\$134,002	\$151,800	\$206,048	\$491,850
	199800704	Grande Ronde Sp Chinook-ODF&W	N/A	N/A	257,000 spring chinook	Fish produced at Lookingglass Hatchery	\$35,537	\$0	\$0	\$35,537

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	199800701	Grande Ronde Supp Construction	N/A	N/A	N/A	Not a production project	\$182,486	\$5,105	\$0	\$187,591
	199800702	Grande Ronde Supp Lostine O&M				Fish produced at	\$541,518	\$601,535	\$581,215	\$1,724,268
	199800702	Grande Ronde Supp Lostine O&M			250,201 spring chinook	Lookingglass Hatchery	-\$74,778	\$0	\$0	-\$74,778
	199800703	Grande Ronde Supp. O&M/M&E	N/A	N/A	500,000 spring chinook	Lookingglass Hatchery	\$752,113	\$565,383	\$684,454	\$2,001,950
	199604300	Johnson Creek Artificial Propa	100,000 summer chinook (produced by McCall Hatchery)	112,870 summer chinook (produced by McCall Hatchery)		This is a supplementation program. Fish are produced at McCall Hatchery through LSRCP. Project funds adult collection, holding, and assistance at McCall Hatchery.	\$869,250	\$924,501	\$923,887	\$2,717,638
	199306000	Select Area Fishery Evaluation	Oregon - Spring Chinook 800,000 SAB Fall Chinook 750,000 Coho 600,000	Oregon - Spring Chinook 765,721 SAB Fall Chinook 72,209 Coho 547,598 Washington - Spring Chinook 350,000		Hatchery juveniles are reared and released from net pens in lower Columbia River to develop and enhance fisheries. This project funds the production of juveniles at Gnat Creek and Grays River hatcheries.	\$1,737,604	\$1,573,250	\$1,673,567	\$4,984,421
Sockeye Captive Broodstock Program: Burley Cr Hatchery ((NMFS)	199204000	Redfish Lake Sockeye Broodstoc		broodstock program production: o 241 sockeye adults for release to Sawtooth Valley lakes for spawning o 130,716 sockeye presmolts for release to lakes o 96 sockeye smolts released to Salmon R. or Redfish Lake Cr.		The goal of this captive broodstock program for endangered SR sockeye is primarily the maintenance of genetic diversity at this point and not "production."	\$630,123	\$1,206,529	\$737,242	\$2,573,894
	199107200	Redfish Lake Sockeye Salmon Ca	Please see comments				\$807,213	\$968,905	\$825,638	\$2,601,756
Manchester Captive Brood Facility	199606700	Manchester Spring Chinook Capt	464 adult spring chinook for release in Oregon, 314 - 370 adult sp chinook for release in Idaho	467 adults for Oregon, 210 adults for Idaho		Captive broodstock program for threatened SR spring chinook. FY 04 goal was not met due to atypical low marine survival of fish in the BY 01 broodyear	\$524,966	\$345,449	\$792,000	\$1,662,415

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	199801006	Captive Broodstock Artificial	N/A	N/A	Project funds activities associated with Grande Ronde Captive Broodstock prgram, but does not rear juveniles for release.	\$162,264	\$101,030	\$175,620	\$438,914
Eagle Hatchery	199700100	Idaho Chinook Salmon Captive R	Broodyear #1 = 600 eyed-eggs collected; Broodyear #2 = 528 spring chinook smolts produced at Eagle Fish Hatchery	Broodyear #1 = 723 eyed-eggs collected; Broodyear #2 = 592 Smolts produced	Experimental captive rearing program for threatened SR spring chinook	\$768,929	\$452,211	\$509,000	\$1,730,140
Bonneville Hatchery Captive Brood Facility	199801001	Grande Ronde Captive Brood O&M	42,000 spring chinook	30,126 spring chinook	Captive broodstock program for threatened SR spring chinook	\$666,754	\$572,661	\$723,718	\$1,963,133
	200001900	Tucannon River Spring Chinook	150,000 spring chinook	2003: 140,396 spring chinook	Captive broodstock program for threatened SR spring chinook located at Tucannon Hatchery	\$147,785	\$98,987	\$126,500	\$373,272
Total						\$10,878,899	\$10,077,076	\$10,977,383	\$31,933,358
Grand Total						\$26,652,198	\$23,394,970	\$31,903,584	\$81,950,752

John Day Dam, Dworshak Dam, and Willamette River Mitigation - CORPS OF ENGINEERS							
Bonneville Hatchery			4,499,000 FA CH	4,559,992 FA CH			\$850,000
Cole Rivers Hatchery			2,122,000 SP CH	2,174,000 SP CH			\$1,620,000
Cole Rivers Hatchery			320,000 COHO	243,371 COHO			-
Cole Rivers Hatchery			267,000 RBT	336,572 RBT			
Cole Rivers Hatchery			460,000 W STH	360,000 W STH			-
Cole Rivers Hatchery			244,500 SU STH	288,957 Su STH			-
Dworshak NFH			2,300,000 STH	1,765,387 STH			\$2,672,530
Leaburg Hatchery			682,386 RBT	210,823 RBT			\$1,156,000
Marion Forks Hatchery			248,000 SP CH	248,000 SP CH			\$478,000
McKenzie Hatchery			1,199,000 SP CH	1,270,494 SP CH			\$373,000
Murray Springs Hatchery			Trout Spp	487,716 TROUT			\$355,000
South Santiam Hatchery			1,100,000 SP CH	750,503 SP CH			\$423,000
South Santiam Hatchery			144,000 STH	144,977 STH			-
Spring Creek NFH			15,100,000 FA CH	14,653,529 FA CH			\$917,000
Willamette Hatchery			1,629,000 SP CH	2,700,646 SP CH			\$850,000

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Total								\$9,694,530		

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Lower Snake River Compensation Plan - USFWS										
			Adult Goal							
Clearwater Hatchery			11,915 SP CH adults							
			14,000 STH adults				\$1,740,580	\$1,759,184		
Sawtooth Hatchery			19,445 SP CH adults				\$909,591	\$851,286		
McCall Hatchery			8,000 SU CH adults				\$731,323	\$646,066		
Magic Valley Hatchery			11,660 STH adults				\$1,014,750	\$946,146		
Dworshak NFH			9,135 SP CH adults				529,945	\$411,944		
Hagerman NFH			13,600 STH adults				\$917,263	\$1,001,892		
Irrigon Hatchery			11,200 STH adults				\$1,577,560	\$1,537,668		
Lookingglass Hatchery			6,070 SP CH adults				\$1,101,737	\$1,147,380		
Lyons Ferry Hatchery			4,656 STH adults							
			18,300 FA CH adults							
			1,148 SP CH adults							
			86,000 lbs RBT				\$2,668,223	\$2,720,865		
N.E. Oregon Hatchery			SP CH (incl in ODFW)				\$28,216	\$28,216		
Total								\$11,050,647		
Grand Coulee Dam Mitigation - BUREAU OF RECLAMATION										
Leavenworth Complex (3 hatcheries)							\$2,200,000	\$2,700,000		
Entiat NFH			400,000 SP CH	387,000 SP CH						
Winthrop NFH			600,000 SP CH	578,000 SP CH						
			100,000 STH	115,000 STH						
Leavenworth NFH			1,625,000 SP CH	1,500,000 SP CH						
Total								\$2,700,000		
Hatchery Programs <u>not</u> funded by BPA										
Mitchell Act Hatcheries - Funded by NOAA FISHERIES with appropriated funds										
ODFW									\$3,637,213	
Big Creek			5,700,00 FA CH							
			535,000 COHO							
			200,000 W STH							
Bonneville/Cascade/Oxbow			4,8000,000 COHO							

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Sandy			1,000,000 COHO							
Bonneville			276,000 W STH							
			215,000 SU STH							
Clackamas			1,577,000 SP CH							
			15,000 W STH							
USFWS								\$3,127,264		
Carson NEH			1,420,000 SP CH							
Little White Salmon/Winard			1,000,000 SP CH							
			2,000,000 COHO							
Eagle Creek NFH			2,050,000 COHO							
			150,000 W STH							
Spring Creek NFH			15,300,000 FA CH							
WDFW								\$4,008,598		
Kalama Falls			5,000,000 FA CH							
			500,000 SP CH							
			800,000 COHO							
			180,000 W STH							
North Toutle			2,500,000 FA CH							
			100,000 SP CH							
			800,000 COHO							
			25,000 W STH							
Washougal			4,000,000 FA CH							
			3,300,000 COHO							
Elochoman			2,000,000 FA CH							
			1,000,000 COHO							
			160,000 W STH							
Ringold			225,000 SU STH							
Klickitat			4,000,000 FA CH							
			800,000 SP CH							
			1,000,000 COHO							
Skamania			190,000 W STH							
			330,000 SU STH							
Total								\$10,773,075		

Web Links:



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1. NPCC Artificial Production Review and Evaluation (APRE) website:

<http://www.nwcouncil.org/fw/apre/Default.htm>

This website has a Basin-level APRE summary report and Province-level reports with links to individual hatchery and stock reports for 227 Columbia Basin hatchery programs. These individual program reports have a detailed description of the program, including purpose, funding source, number of fish produced, production goal, annual O&M cost, and hatchery program performance indicators for target stocks. This website also has a link to draft Phase I HGMPs.

2. HGMPs submitted to NOAA Fisheries for review and approval, the final step in the HGMP development process:

<http://www.nwr.noaa.gov/lhgrp/hgmbsbmt.htm>

3. Mitchell Act hatchery programs (BPA does not fund Mitchell Act hatcheries):

[http://www.nwr.noaa.gov/lsrc/Propagation/MAHatchEIS/MA\\_programs.html](http://www.nwr.noaa.gov/lsrc/Propagation/MAHatchEIS/MA_programs.html)

4. Published monitoring and evaluation reports for F&W Program hatcheries can be found at this BPA website. Search for reports using the BPA Project number for the hatchery project.

<http://www.efw.bpa.gov/searchpublications/>

5. NOAA Fisheries Hatchery Inventory and Effects Evaluation Report:

[Hatchery Inventory and Effects Report \(2004\) -- NOAA Fisheries Northwest Region](#)